

ABSTRACT OF THE DISCLOSURE

This invention discloses a method of transmitting data through Local Area Network by abandoning the Transmission Control Protocol/Internet Protocol (TCP/IP) to eliminate the Address Resolution Protocol (ARP) and avoid unnecessary delay and communication flow. The present invention also abandons the concept of TCP/IP address, so that it is not necessary to maintain the huge TCP/IP address database in wireless LAN in order to implement the gapless roaming and reduce packet conflict during the transmission process by defining a smaller capacity for the data packet head in the high-speed wireless LAN standard IEEE 802.11 protocol.